BRUHAT BANGALORE MAHANAGARA PALIKE

PROJECT: Improvements to Drains and Footpath in Devinagar near RMV Apartment in Kodigehalli in ward 8

Detailed Estimate for Proposed Improvements to Devinagar

Sl No	Description of work	Unit	No	Length m	Breadth m	Depth m	Quantity	Rate in Rs	Amount in Rs
1	KSRB 2 - 1.1: Earthwork excavation by manual means in ordinary soil involving an average horizontal throw upto 2 metres and an average lift upto 0.5 m, excavated surface leveled and sides neatly after breaking of clods complete as per specifications with all leads and labour and conveying the earth to 15 km,Loading and Unloading charges								
	(P.No.126, I.No.19.1 of PW,P&IWTD S.R 2010-11)	Cum							
	For Foot path								
	Devinagar		1	290.00	1.50	0.15	65.25		
							65.25	108.00	7047.00
	Basic Rate Rs.=	100.00							
	Add 8% A.W Rs. =	8.00							
	Total Rate Rs. =	108.00							
2	KSRB 5.2-3: Providing and constructing granite/ trap/basalt size stone masonry in foundation with cement mortar 1:6, stone hammerd dressed in courses not less than 20 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specification								
	(P.No.22, I.No.5.6 of PW,P&IWTD S.R 2010-11)	Cum							
	Devinagar								
	For Drain Flagging		2	290.00	0.45	0.23	60.03		
							60.03	2596.32	155857.00
	Basic Rate Rs.=	2348.00							
	Add Difference cost of cement (1.4x40)	56.00							
	Sub Total Rs.	2404.00							
	Add 8% A.W Rs. =	192.32							
	Total Rate Rs. =	2596.32							
3	KSRB 15.1.3: Providing flush pointing to coursed stone masonry with cement mortar 1:3, 20mm deep, after raking joints to depth of 20mm nicely lining, including cost of materials, labour, curing complete as per specifications								
	(P.No.97, I.No.15.3 of PW,P&IWTD S.R 2010-11)	Sqm							
	Devinagar								
	For Drain side pointing		2	290.00		0.23	133.40	67.39	
							133.40		8990.00
	Basic Rate Rs =	61.60							
	Add Difference cost of cement (0.02x40)	0.80							
	Sub Total Rs.	~~62.30~~ 62.4							
	Add 8% A.W Rs. =	4.984							
	Total Rate Rs. =	~~67.28~~ 67.39							
4	KSRB 4-1.6 : Providing and laying in position plain cement concrete of nominal mix 1:2:4 using 20mm and down size graded granite metal, machine mixed, concrete laid in layers not exceeding 15 cms. Thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machine, curing complete as per specifications								
	(P.No.12, I.No.4.6 of PW,P&IWTD S.R 2010-11)	Cum							
	Devinagar								
	For Drain side coping		2	290.00	0.45	0.10	26.10		
							26.10	4664.52	121744.00

Sl No	Description of work	Unit	No	Length m	Breadth m	Depth m	Quantity	Rate in Rs	Amount in Rs
	Basic Rate Rs.=	4063.00							
	Add Difference cost of cement (6.4x40)	256.00							
	Sub Total Rs.	4319.00							
	Add 8% A.W Rs. =	345.52							
	Total Rate Rs. =	4664.52							
5	KSRB 5-14: Providing and constructing precast concrete solid blocks with compressive strength not less than 35 Kg/sqm with cement mortar 1:4 masonry (quoin, jamb, closer blocks) with solid concrete blocks of size 40x20x20cms conforming to I.S: 2185/1965 in superstructure including cost of materials, labour charges, scaffolding, curing complete as per specifications. (Page-23)								
	(P.No.24, I.No 5.27 of PW, P&IWTD S.R 2010-11)								
		Sqm							
	Devinagar								
	For Tree guard		5	6.00		0.30	9.00		
	For Shoulder drain		20	1.00		0.20	4.00		
							13.00	639.36	8312.00
	Basic Rate Rs.=	586.00							
	Add Difference cost of cement (0.15x40)	6.00							
	Sub Total Rs.	592.00							
	Add 8% A.W Rs. =	47.36							
	Total Rate Rs. =	639.36							
6	KSRB 4-1.6 : Providing and laying in position plain cement concrete of nominal mix 1:2:4 using 20mm and down size graded granite metal, machine mixed, concrete laid in layers not exceeding 15 cms. Thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machine, curing complete as per specifications. Specification No KBS 4.1.4.2								
	(P.No.12, I.No 4.6 of PW, P&IWTD S.R 2010-11)								
		Cum							
	Devinagar								
	For Footpath below sadarahalli stone slab		1	290.00	2.30	0.05	33.35		
	For Shoulder drain bed								
	Side Walls		20	1.00	0.60	0.10	1.20		
							34.55	4664.52	161159.00
	Basic Rate Rs.=	4063.00							
	Add Difference cost of cement (6.4x40)	256.00							
	Sub Total Rs.	4319.00							
	Add 8% A.W Rs. =	345.52							
	Total Rate Rs. =	4664.52							
7	Providing and fixing MS square Jally 9"x9"(gratings) for shoulder drains,fixing with cement mortar including cost of all materials, labour, curing complete as per specifications and as directed by the Engineer in Charge								
	(P.No.XXXII,of PW,P&IWTD S.R 2010-11)								
	Devinagar	No							
	For Shoulder drain gratings	1	20				20.00	123.12	2462.00
	Basic Rate Rs.=	114.00							
	Add 8% A.W Rs. =	9.12							
	Total Rate Rs. =	123.12							
8	Providing and stacking semi polished sadarahalli slabs of approved quality with all faces track and without any banishes and of uniform colour and shade of size 7.50cm thick with machine cutting of all the four sides and all joints should be tapper the work includes cost of material, hire charges of machineries, cost of labour charges, with all lead and lifts and all other incidental charges with whole work should be carried out as per direction of the Engineer in Charge								
	(Data Rate)	Sqm							
	For Drain Cover slab								
	Devinagar		1	290.00	2.30		667.00	1616.58	
							667.00		1078259.00

Sl No	Description of work	Unit	No	Length m	Breadth m	Depth m	Quantity	Rate in Rs	Amount in Rs
9	KSRB 15.2.1: Providing flush pointing to stone slab pavements, with cement mortar 1:3, after raking joints, nicely lining, including cost of materials, labour, curing complete as per specifications.								
	(P.No.97, I.No 15.7 of PW, P&IWTD S.R 2010-11)	Sqm							
	Devinagar								
	For Footpath below sadarahalli stone slab		1	290.00	2.30		667.00		
	kerb		1	290.00	0.45		130.50		
							797.50	23.33	18604.00
									18606.80
	Basic Rate Rs.=	21.00							
	Add Difference cost of cement (0.015x40)	0.60							
	Sub Total Rs.	21.60							
	Add 8% A.W Rs. =	1.728							
	Total Rate Rs. =	23.33							
10	Providing and fixing pre cast solid cement concrete kerb stones made out of C.C. 1:2:4 with top and bottom width 114 and 165 mm resepctively, 400mm high and 450mm in length finished with CM 1:3 plastering and finishing cutting, including formwork, curing, including cost of all materials, labour hire charges of machinery, loading, unloading, lead and lift, transportation etc., complete.								
	(P.No.24, I.No.5.30 of PW,P&IWTD S.R 2010-11)	No.							
	Devinagar	1	670	--	--	--	670	228.31	~~152969.00~~
									152968.00
	Basic Rate Rs.=	205.00							
	Add Difference cost of cement (6.4x0.025)x40)	6.40							
	1 Kerb Stone =0.025cum								
	Sub Total Rs.	211.40							
	Add 8% A.W Rs. =	16.91							
	Total Rate Rs. =	228.31							
11	KSRRB 800.1: Painting two coats after filling the surface with synthetic enamel paint in approved shades on new plastered concrete surfaces, with materials, labour complete as per specifications Specification No.KRBS 800.3 MORT & H Specification No.800								
	(P.No.169, No.24 of PW,P&IWTD S.R 2010-11)	Sqm							
	Painting - 8 Subject								
	Devinagar		1	290.00	0.45		130.50	45.90	5990.00
	Basic Rate Rs.=	42.50							
	Add 8% A.W Rs. =	3.40							
	Total Rate Rs. =	45.90							
12	KSRRB M100-4.2: Haulage of materials by tipper Including cost of loading, unloading and stacking, complete as per specifications -MORTH Chapete 1 Case-I : Surface Road.								
	(Page No.138 Item No.17.1 & 17.4 of P&IWTD SR 2010-11)	Cum							
	Qnty same as item No.11						65.25	123.34	8048.00
	Basic Rate Rs for 20 Km. = 2.00 x 1.3 x 20 = (52.20+62.20) = 114.20								
	Add 8% A.W Rs. = 9.14								
	Total Rate Rs. = 123.34								
							Total: 1729442.00		~~1729441.00~~
							558		559.00
13	Inspection,Miscelleneous & Rounding off							Total Rs.	~~1730000.00~~
									17,30,000.00

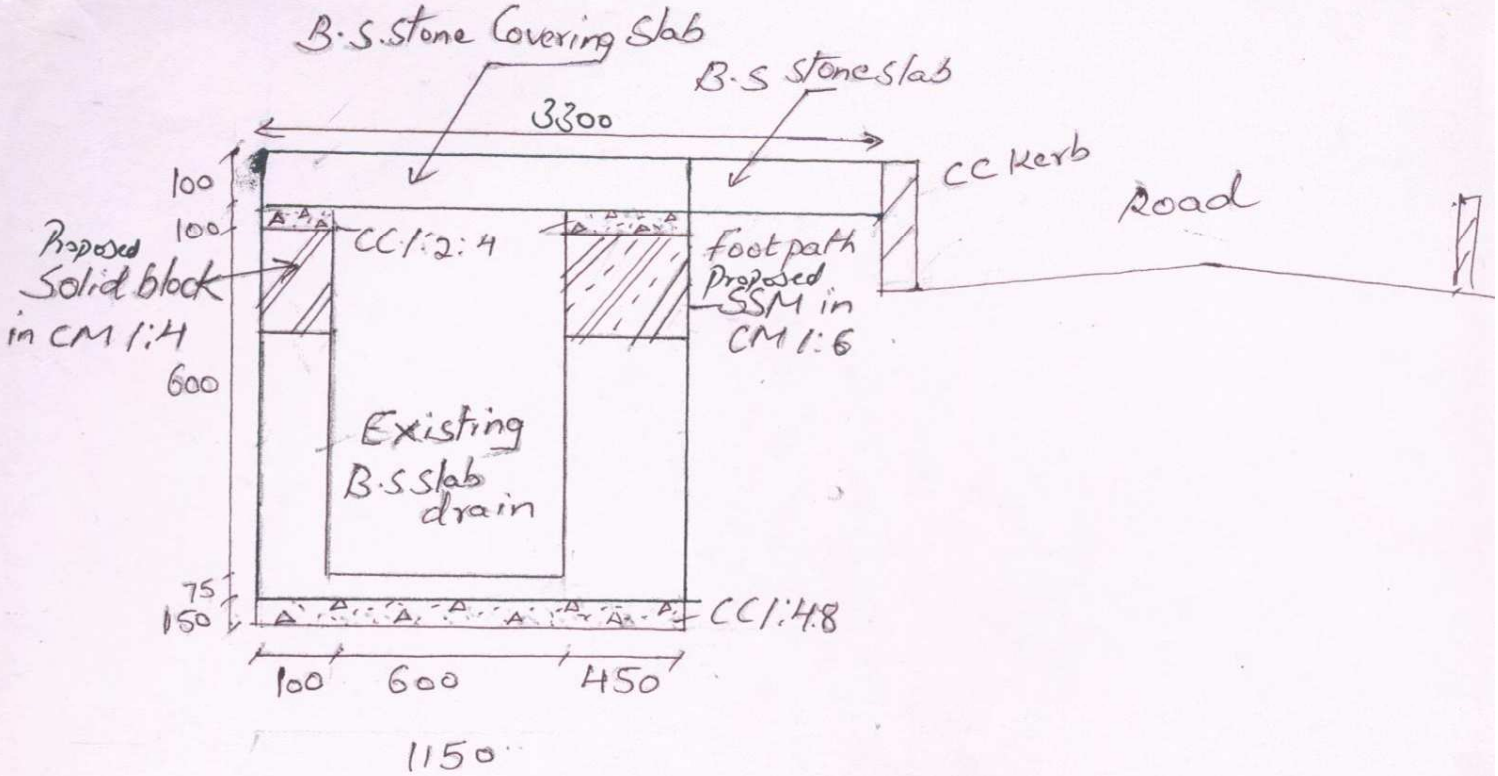
Administrative sanction for Rs. 17,30,000/-
(Rs. Seventeen lakhs thirty thousand only) P2193
is accorded under head.....
.....
Registered as C.E. No. 66/2011-12 - 8 Subject
to conditions contained in enclosed memo
No. CE(MR)/TA/AOM/66/2011-12 - 8 Dt. 04/07/2011
AE/JE TA Dep-RJ CE (MR)

Technically sanctioned for Rs. 17,30,000/-
Rs. Seventeen lakhs thirty thousand only P2193
under.....
.....
Register 66/2011-12 - 7 Subject
to condition memo
No. CE(MR)/TS/66/2011-12 04/07/2011
AE/JE TA Dep-RJ CE (MR)

CERTIFICATES
1) The work spot has been inspected and work is found necessary
2) This estimate is prepared as per S.R of 2010-11

Rs. Seventeen lakhs thirty thousand only

Sl No	Description of work	Unit	No	Length m	Breadth m	Depth m	Quantity	Rate in Rs	Amount in Rs
3)	The provisions were made in this estimate are necessary and adequate								
4)	This works come under B.B.M.P limits.								
	Asst. Engineer TEC Division B.B.M.P	Asst. Executive Engineer TEC Division B.B.M.P					Executive Engineer TEC Division B.B.M.P		



C/s of The Road.

All dimensions in mm

Drawing not to scale.

A.E

A.E

Executive Engineer
Traffic Engineering Cell,
Bruhath Bangalore Mahanagara Palike
Bangalore - 560 002.